INFINITI

The next generation of power.

DUAL QUAD TRIPLE + 18

650W TRIPLE PCI EXPRESS HIGH-END

720W TRIPLE PCI EXPRESS PREMIUM

TRIPLE PCI EXPRESS

RoHS

FEATURES

Three separated 12V rails
The best rail design for this PSU class.

Modular
SATA or PATA without restrictions.

82-85% efficiency
Minimizing the electricity bill.

24/7 @ 40°C
Running with full power in industrial environments.

Tight & Stable
Essential to high-end systems.

CoolGuard
The new patent feature, running not only PSU fan after shutdown, but all system fans to get the heat out of the system and increasing system lifetime by up to 20%.

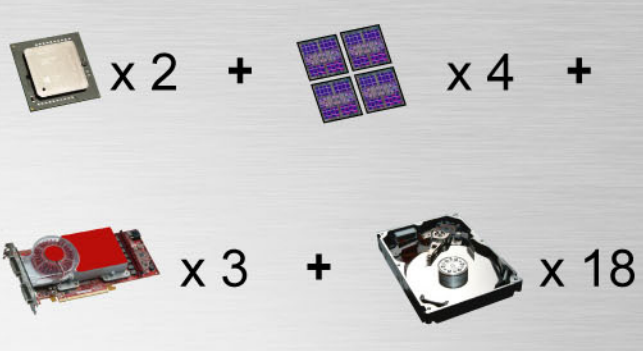
PowerGuard
The world's first desktop PSU series with 4-mode PSU status alarm with reset button.

The most security features of the industry
OCP, OLP, SCP, OVP, UVP & OTP protected PSU and system from damage.

Leading PCB components and design
The foundation of ENERMAX' philosophy and its products to make the utmost possible.

Silent & Cool
A special 13.5cm fan ensures cool performance and silent operation.

Actual maximum support might vary by power consumption of connected components and is limited to DC output specifications.



DUAL QUAD TRIPLE + 18

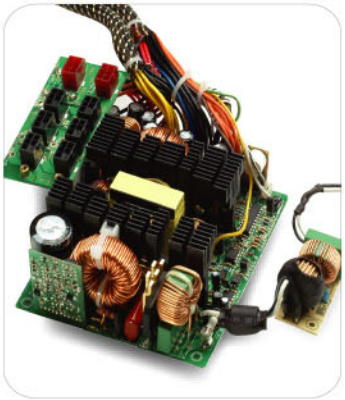
CPU CORE GRAPHICS DRIVES

82-85% EFFICIENCY SAVES YOUR MONEY

COMPARE	SYSTEM 24/7 @ 500W Load		KWh (kilowatts/hour) 1 kWh=0.1415$(California)		MONEY WASTED
PSU	Efficiency	AC IN	per day	per year	per year
Infiniti	82%	610W	14.634	5341.46	0 US$
PSU A	80%	625W	15	5475	18.89 US$
PSU B	75%	667W	16.008	5842.92	70.96 US$

Formula:(power out/ efficiency) x 24/100= kWh/day x 365 = kWh/year (**Infiniti** : (500/0.82) x 24/1000=14.634 kWh/day x 365 = 5341.46 kWh/year)

24/7 @ 40°C

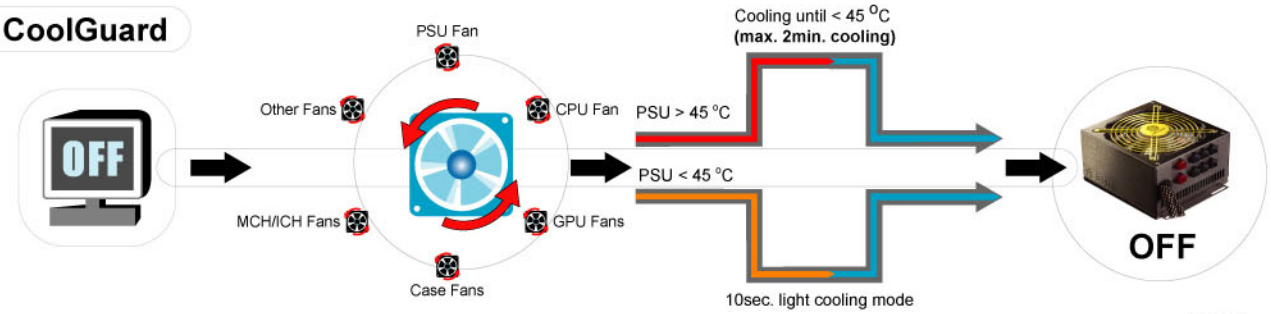


PowerGuard

Protects your entire system against damage by dynamic monitoring with 4 alarm modes and reset function.

LED	BUZZER	INFO
OFF	SILENT	NO AC INPUT
ORANGE	SILENT	STAND-BY MODE
GREEN	SILENT	PSU NORMAL
RED	TWO BEEPS INTERVAL	PSU PROTECTION ACTIVE
BLINKING RED	SHORT BEEPS	PSU FAN ABNORMAL

CoolGuard



This patented function enables all system fans after shutdown to run and get the heat out of your system to prolong its life by up to **20%**.

ENERMAX

SPECIFICATIONS

Model Name	EIN650AWT		EIN720AWT	
AC Input Rating	Active PFC			
Input Voltage	Universal 100-240VAC, automatic voltage switching, 50Hz - 60Hz			
Input Current	4A-9.5A		4A-11A	
Frequency	50Hz - 60Hz			
DC Output Rating				
+3.3V	25A	**160W**	25A	**160W**
+5V	30A		30A	
+12V1	28A	**624W (52A)**	28A	**672W (56A)**
+12V2	28A		28A	
+12V3	30A		30A	
-12V	0.6A	**22.2W**	0.6A	**22.2W**
+5Vsb	3A		3A	
Total Power	**650W**		**720W**	

12V Rail Distribution

INFINITI is the leading desktop psu series with three 12V rails, each able to provide up to 28 or 30A each continuously. This allows support of DUAL QUAD TRIPLE systems or smaller systems with a balanced load on each rail, providing maximum stability and safety. These super strong rails allow support even of the newest generation of graphic cards which consume up to 300W alone.

Rail	Powered	
12V1	PEG Slave	9 Drives
12V2	PEG Master	4+4P CPU & 9 Drives
12V3	8p CPU / 2x4 PEG Adaptor 2x3 PEG Adaptor	MBU

MULRIPLE PROTECTIONS

Infiniti will turn off to protect itself and your system from damage.

	12V1	12V2	12V3	3.3V	5V	-12V	+5Vsb
OCP	yes	yes	yes	yes	yes	no	no
OLP	on 110 - 150% of maximum output						
SCP	yes	yes	yes	yes	yes	no	yes
OVP	yes	yes	yes	yes	yes	yes	yes
UVP	yes	yes	yes	yes	yes	no	yes
OTP	yes						

(OCP = Over Current Protection, OLP = Over Load P., SCP = Short Circuit P., OVP = Over Voltage P., UVP = Under Voltage., OTP = Over Temperature P.)

CABLES & CONNECTORS

Native Cables

24P Mainboard x **1**

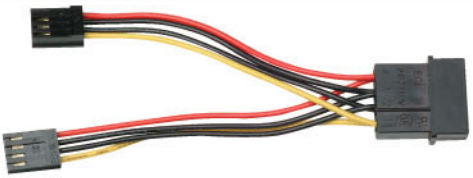
8P CPU 12V x **1**

4+4P CPU 12V x **1**

FDD (adaptor) x **2**

FM (FAN RPM) x **1**

Modular Cables

Modular Cables Supplied / Model	EIN650AWT	EIN720AWT
EMC001: 3 x SATA 45 / 60 / 75cm	2	3
EMC002: 3 x 4P Molex 45 / 60 / 75cm	3	3
EMC004: PCI Express 45 cm	2	2
4P to 2FDD Adaptor  12 cm	1	1
8P to 6P PCI-E Adaptor 12 cm	1	1
8P to 8P PCI-E Adaptor 15 cm	1	1

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